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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/748,857	12/28/2000	Takafumi Ito	04329.2492	6075

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EXAMINER

LEE, JOHN J

ART UNIT	PAPER NUMBER
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2684

DATE MAILED: 07/16/2003

9

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/748,857

Applicant(s)

ITO, TAKAFUMI

Examiner

JOHN J LEE

Art Unit

2684

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 28 December 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 3,5.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. **Claims 1 – 12** are rejected under 35 U.S.C. 102(e) as being anticipated by Usui et al. (US Patent number 6,336,039).

Regarding **claim 1**, Usui discloses that an IC card containing a radio interface function, comprising:

a high frequency circuit (222 in Fig. 6) to be connected to an antenna (13 in Fig. 6) (column 6, lines 62 – column 7, lines 65 and Fig. 6, 16);

a memory (221 in Fig. 6); and

a controller (222a in Fig. 6) for controlling access to the memory (221 in Fig. 6) and executing radio interface control related to radio communication (column 7, lines 53 – column 9, lines 20 and Fig. 6).

Regarding **claim 2**, Usui discloses that the antenna attachment means attachable to and detachable from an antenna module provided with an antenna (column 6, lines 62. – column 7, lines 65 and Fig. 5, 6, 16).

Regarding **claim 3**, Usui discloses all the limitation, as discussed in claim 1.

Regarding **claim 4**, Usui discloses that the controller controls the memory so as to store, in a predetermined area of memory (column 7, lines 53 – column 9, lines 20 and Fig. 6), information specifying a destination of connection (column 7, lines 53 – column 9, lines 20 and Fig. 6), and executes the radio interface control on the basis of the information (Fig. 6, 8, 10 and column 2, lines 8 – column 3, lines 64).

Regarding **claim 5**, Usui discloses all the limitation, as discussed in claim 1. Furthermore, Usui further discloses that IC card (1a in Fig. 1) attachment means to be connected to an IC card that has a radio interface function (Fig. 1, 5, 6, 8 and column 7, lines 38 – column 9, lines 63); and

an antenna (13 in Fig. 6) to be connected to means incorporated in the IC card for realizing the radio interface function (Fig. 5, 6, 8 and column 6, lines 62 – column 8, lines 40).

Regarding **claim 6**, Usui discloses that a high frequency amplifier connected between the antenna and the means for realizing the radio interface function, when the antenna module is connected to the IC card by the IC card attachment means (Fig. 6, 8 and column 8, lines 41 – column 10, lines 25).

Regarding **claim 7**, Usui discloses all the limitation, as discussed in claim 1. Furthermore, Usui further discloses that connection means for connecting the controller to another IC card (Fig. 5, 6, 16 and column 5, lines 45 – column 6, lines 60).

Regarding **claim 8**, Usui discloses all the limitation, as discussed in claims 5 and 6. Furthermore, Usui further discloses that an antenna incorporated in a casing of the data processing apparatus (Fig. 5, 6, 16, abstract, and column 2, lines 8 – column 3, lines 64).

Regarding **claim 9**, Usui discloses that the antenna is provided in an eject lever to be operated to eject the IC card from the slot (Fig. 5, 6, 16 and column 2, lines 8 – column 3, lines 64).

Regarding **claim 10**, Usui discloses that the antenna is provided on a surface of the casing (Fig. 5, 6, 16 and column 2, lines 8 – column 3, lines 64).

Regarding **claim 11**, Usui discloses that an antenna connecting terminal to be connected to an antenna that is provided in an eject lever incorporated in a data processing apparatus and to be operated to eject the IC card from a slot of the data processing apparatus when the IC card is inserted in the slot (Fig. 5, 6, 16, abstract, and column 2, lines 8 – column 3, lines 64).

Regarding **claim 12**, Usui discloses all the limitation, as discussed in claims 8 and 11.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Tanaka et al. (US Patent number 5,610,941) discloses IC Card Radio Modem.

Miyamoto (US Patent number 6,070,804) discloses Non-Contact IC with Monitor for Source Power.

Yazaki et al. (US Patent number 6,263,214) discloses Method for Controlling Activation of Mobile Station, and Mobile Station Using the Method.

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Kataoka et al. (US Patent number 6,463,095) discloses IC Card Radio Modem and Communication System Using the Same for Communicating with a Plurality of Different Infrastructures.

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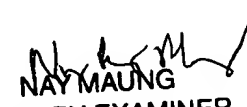
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Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA., Sixth Floor (Receptionist).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **John J. Lee** whose telephone number is (703) 306-5936. He can normally be reached Monday-Thursday and alternate Fridays from 8:30am-5:00 pm. If attempts to reach the examiner are unsuccessful, the examiner's supervisor, **Nay Aung Maung**, can be reached on (703) 308-7745. Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-4700.

J.L
July 12, 2003


NAY MAUNG
PRIMARY EXAMINER

John J Lee